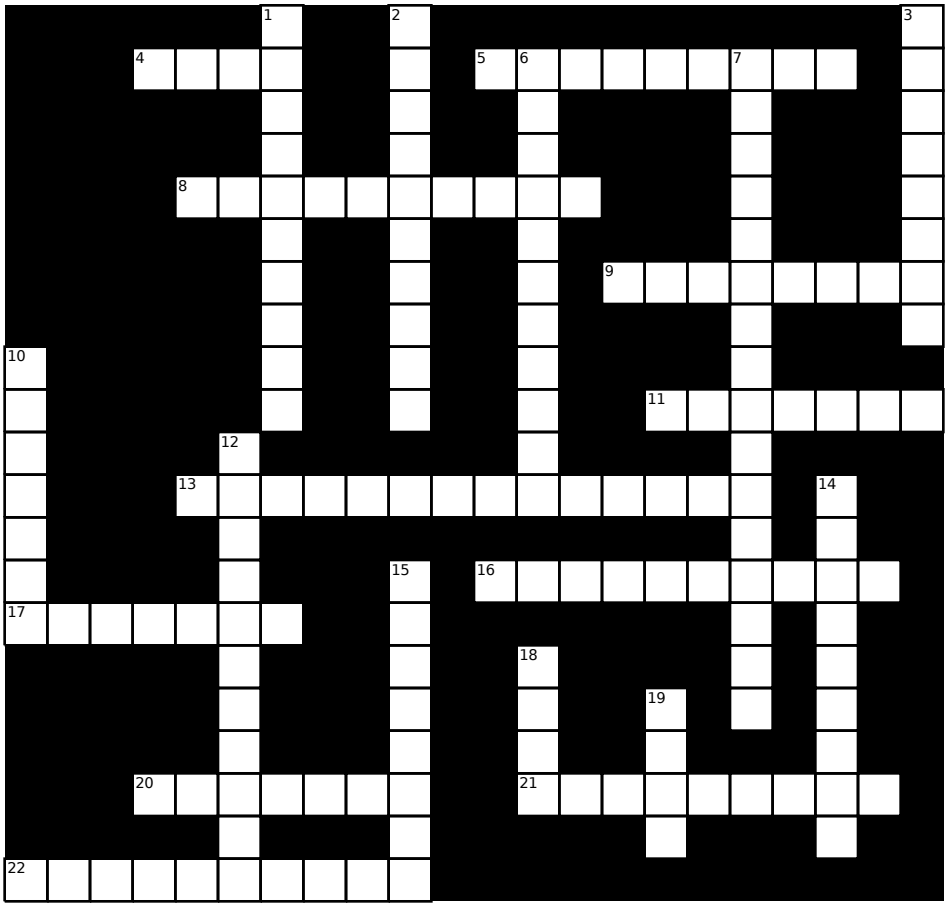
Enzymes

Use Notes p.3-4



Across

4 Increasing substrate concentration increases the enzyme __ to a certain point.
5 coils, twists & folds of a protein held together by hydrogen bonds is the ___ structure of a protein.
8 Binding site for for a noncompetitive inhibitor.
9 An inorganic substance in an enzyme's active site, assiting with catalysis.
11 Enzymes in acidic environments rely on acidic ___ for their reactions.
13 ___ inhibitors change an enzym's shape & thus functionality.
16 1/2 Vmax is the point of maximum __ of an enzyme.
17 The role of __ is to provide optimal conditions & locations for molecular changes to occur.
20 The amino acid sequence is the ___ structure of a protein determined by a gene.
21 An enzyme __ when its 3D structure is lost.
22 Site on an enzyme where catalysis happens.

Down

1 Allosteric sites are crucial for enzyme ___.
2 Molecules that react with an enzyme.
3 ___ structure is the specific 3D form of a protein.
6 Any change in the __ can alter an enzyme's structure & function.
7 The __ for a reaction with an enzyme is much lower than in the basence of an enzyme.
10 The molecule ___ acts as an allosteric regulator in blood sugar homeostasis.
12 ___ inhibitors compete directly with an enzyme's active site.
14 Enzyme functionality is always ___ with a noncompetitive inhibitor.
15 An organic substance in an enzyme's active site, assiting with catalysis.
18 Enzymes evolved for high temperatures would not work in ___ environments.
19 The saturation point of an enzyme.